

Table A-27. Trends in Federal funds for performance of industrial basic research, applied research, and development, in the U.S., in current and in constant dollars: 1953-99

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Year	Total		Basic research		Applied research		Development	
	Current dollars	Constant 1996 dollars	Current dollars	Constant 1996 dollars	Current dollars	Constant 1996 dollars	Current dollars	Constant 1996 dollars
	[In millions of dollars]							
1953 ¹	1,430	7,429	19	99	288	1,496	1,123	5,834
1954 ¹	1,750	9,002	23	118	322	1,656	1,405	7,227
1955 ¹	2,180	11,021	27	137	368	1,860	1,785	9,024
1956	3,328	16,274	37	181	474	2,318	2,817	13,775
1957	4,335	20,516	41	194	678	3,209	3,616	17,113
1958	4,759	21,992	43	199	774	3,577	3,942	18,216
1959	5,635	25,754	72	329	813	3,716	4,750	21,709
1960	6,081	27,404	79	356	833	3,754	5,169	23,294
1961	6,240	27,807	81	361	812	3,619	5,347	23,828
1962	6,434	28,294	143	629	1,011	4,446	5,281	23,223
1963	7,270	31,609	147	639	1,007	4,378	6,116	26,591
1964	7,720	33,076	165	707	1,040	4,456	6,515	27,913
1965	7,740	32,548	186	782	1,038	4,365	6,516	27,401
1966	8,332	34,064	173	707	1,039	4,248	7,120	29,109
1967	8,365	33,181	202	801	1,066	4,228	7,097	28,152
1968	8,560	32,548	180	684	1,043	3,966	7,337	27,897
1969	8,451	30,631	160	580	1,015	3,679	7,276	26,372
1970	7,779	26,769	158	544	1,049	3,610	6,572	22,615
1971	7,666	25,118	134	439	974	3,191	6,558	21,488
1972	8,017	25,195	130	409	952	2,992	6,935	21,794
1973	8,145	24,241	132	393	993	2,955	7,020	20,893
1974	8,220	22,447	163	445	1,025	2,799	7,032	19,203
1975	8,605	21,496	157	392	1,130	2,823	7,318	18,281
1976	9,561	22,603	185	437	1,200	2,837	8,176	19,329
1977	10,485	23,290	210	466	1,325	2,943	8,950	19,880
1978 ¹	11,189	23,199	250	518	1,430	2,965	9,509	19,716
1979	12,518	23,958	265	507	1,555	2,976	10,698	20,475
1980 ¹	14,029	24,595	290	508	1,900	3,331	11,839	20,756
1981	16,382	26,266	301	483	2,340	3,752	13,741	22,031
1982 ¹	18,545	27,992	381	575	2,960	4,468	15,204	22,949
1983	20,680	30,023	463	672	3,641	5,286	16,576	24,065
1984	23,396	32,749	476	666	4,224	5,913	18,696	26,170
1985	27,196	36,906	489	664	5,347	7,256	21,360	28,986
1986	27,891	37,035	551	732	4,678	6,212	22,662	30,092
1987	30,752	39,639	740	954	4,660	6,007	25,352	32,679
1988 ²	30,343	37,829	993	1,238	4,217	5,257	25,133	31,334
1989 ²	28,554	34,291	1,384	1,662	4,698	5,642	22,472	26,987
1990 ²	28,125	32,511	1,368	1,581	6,353	7,344	20,404	23,586
1991 ^{2,3}	26,372	29,413	1,712	1,909	6,021	6,715	18,639	20,789
1992 ³	24,722	26,919	1,186	1,291	4,983	5,426	18,555	20,204
1993 ³	22,809	24,252	958	1,019	4,730	5,029	17,118	18,201
1994 ³	22,463	23,397	939	978	4,119	4,290	17,405	18,128

See explanatory information and SOURCE at end of table.

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Year	Total		Basic research		Applied research		Development	
	Current dollars	Constant 1996 dollars	Current dollars	Constant 1996 dollars	Current dollars	Constant 1996 dollars	Current dollars	Constant 1996 dollars
	[In millions of dollars]							
1995 ³	23,451	23,905	720	734	3,699	3,771	19,031	19,400
1996 ³	23,653	23,653	1,358	1,358	3,871	3,871	(S) 18,423	(S) 18,423
1997 ³	23,928	23,470	1,654	1,622	2,861	2,806	19,412	19,041
1998 ³	24,164	23,410	1,894	1,835	2,763	2,677	19,507	18,898
1999 ³	22,535	21,509	2,641	2,521	3,714	3,545	16,179	15,442

¹ Character-of-work estimates were made by the National Science Foundation. See National Science Foundation, *National Patterns of R&D Resources: 1998*, NSF 99-335.

² As a result of a new sample design, statistics for 1988-91 have been revised since originally published. These statistics now better reflect R&D performance among firms in the nonmanufacturing industries and small firms in all industries.

³ As a result of the new sample design, statistics for 1991 and later years are not directly comparable with statistics for 1990 and earlier years. See the technical notes for more information.

KEY: (S) = Indicates imputation of more than 50 percent.

NOTES: The character-of-work estimation procedure was revised for 1986 and later years; hence, these data are not directly comparable with data for 1985 and earlier years. See the technical notes for a more complete discussion of this change.

Gross domestic product (GDP) implicit price deflators were used to convert current dollars to constant (1996) dollars.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Industrial Research and Development: 1999